RETRO SYSTEMS

SENSOR™ Torch Height Control Software & RSVS-5 Lifter

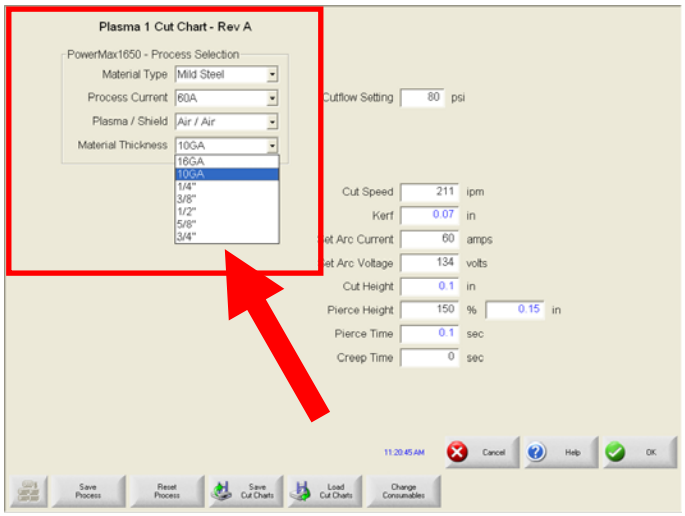
SENSOR™ plasma torch height control software is tightly integrated into Hypertherm® CNC controls. Together they deliver a full featured precision plasma torch height control system specifically designed to work with Hypertherm plasma systems. **SENSOR** will significantly increase the productivity and profitability of your shape cutting operation.

The machine operator selects Material Type, Process Current, Plasma/Shield Gas and Material Thickness from the CUT CHART SCREEN. The CNC control retrieves cutting parameters from factory ***Look-Up Tables*** stored within the CNC control. All plasma process parameters are set and automatically maintained during the cutting cycle.

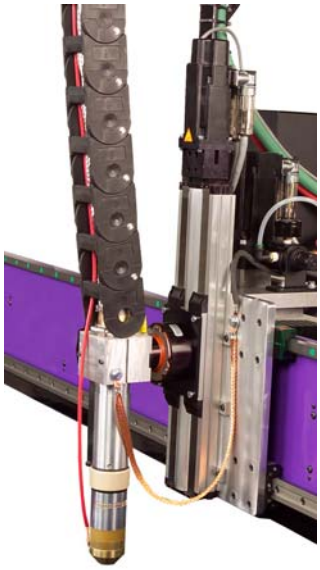
SENSOR SOFTWARE PARAMETERS:

- Pierce height
- Pierce time
- Cutting height
- Cutting voltage
- Retract height after cut

PLASMA CUT CHART SCREEN:



Selection of Material Type, Process Current, Plasma/Shield and Material Thickness automatically sets and maintains all torch height control parameters during the cutting cycle.



RSVS-5 plasma torch lifter

RSVS-5 Lifter Features:

- Sets Initial Pierce Height and maintains torch to plate height during cut via voltage regulation
- Height Sensing using Ohmic or Position Error Stall Detection
- Ball Screw Drive with Dual Linear Guide Ways
- 250 Watt AC Servo Motor
- Up to 1,000 IPM (25.4mm/min) positioning speed
- 10” (250mm) or 13.7” (350mm) stroke travel for torch positioning
- 50-210 VDC Arc Voltage Range in 1 volt increments
- RAD Pneumatic plasma torch collision mount
- Lifter dimensions (with RAD plasma mount): H 21” (533mm); W 3.5” (95mm); D 5.0” (127mm)
- Lifter weight capacity: 100 lb (45.5.7kg)

Typical Applications:

- Heavy Duty Conventional and High Definition plasma cutting

Form: 07-204
October 2010

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